

Cabarrus County Natural Area Inventory

LENTZ HARNESS SHOP RD. UPLAND DEPRESSION Significant Natural Heritage Area

Site Significance: county
Quadrangles: Mt. Pleasant

Size: ca. 70 acres
Ownership: Private

SIGNIFICANT FEATURES

Biological Description:

A: This site is a DRY OAK-HICKORY FOREST which contains a small UPLAND DEPRESSION SWAMP FOREST.

B: The canopy, subcanopy, shrub and herb layers are well developed.

C: The canopy is dominated by *Quercus alba* in the oak-hickory forest community. The upland depression is dominated by *Quercus phellos*, *Acer rubrum* and *Liquidambar styraciflua*. Subcanopy species include *Prunus serotina* and *Cornus florida*. Shrubs present include *Viburnum rufidulum*, *Ilex opaca* and *Rhus aromatica*. The herb layer has *Tipularia discolor*, *Antennaria plantaginifolia* and *Parthenocissus quinquefolia*.

D: This site is bordered by Little Bear Creek, agricultural fields and residential property.

E: Fair quality and condition

F: ca. 70 acres

SITE DESCRIPTION

Province: PIEDMONT

Watershed: Yadkin - Pee Dee

Aspect: E,S,flat

Moisture: seasonally wet, dry-mesic

Hydrology: terrestrial, palustrine

Slope: flat-35%

Topographic Position: crest, upper-mid-lower slope, upland flat

Geology: Zp - Phyllite (Late Proterozoic) mvm - Mafic and Intermediate Metavolcanic Rocks

Elevation: 550-700

Soils: EnB - Enon sandy loam, 2 to 8% slopes BaB - Badin channery silt loam, 2 to 8% slopes BaD - Badin channery silt loam, 8 to 15% slopes

Comments: One end of the upland depression has been dammed up to form a permanent impoundment.

LANDSCAPE RELATIONSHIPS

Adjacent Land Use: Agriculture, residential

Landscape: This site consists of slopes and drainages rising from the floodplain of Little Bear Creek. There is an upland depression on the crest of the slopes.

Fire Regime: unknown, probably suppressed

Comment: Non native species present is *Lonicera japonica*